

TCONNECT

Smart Con
for a Smarter

PRODUCT
CATALOG



**MAMMOTH
ENERGY**

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About Tconnect

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TCONNECT

SFP Series

Network Solutions

 **ITK** Connecting



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155Mbps SFP Trans



Features

- Available distances up to 100m
- Dual data-rate Up to 155M
- Compliant with SFP MSA
- Duplex LC connector
- Hot Pluggable
- Class 1 laser product com
- Support Digital Diagnosti
- Internal Calibration or Ext
- +3.3V single power supply
- Operating case temperat

P/N

TCM155MSR	155Mb/s MMF 8
TCM155MLR2	155Mb/s SMF 1
TCM155MLR10	155Mb/s SMF 1
TCM155MER	155Mb/s SMF 1
TCM155MZR	155Mb/s SMF 1

1Gbps SFP Trans



Features

- Up to 1.25Gbps di-direction
- Hot Pluggable SFP footpr
- Low power dissipation (1.0
- Compact RJ-45 connector
- 1000 BASE-T operation in
- 10/100/1000Mbps compli
- +3.3V single power supply
- Operating case temperat

P/N

TCM1GBT	1000Base-T
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Features

- Available distances up to 100m
- Dual data-rate Up to 1.25G
- Compliant with SFP MSA
- Duplex LC connector
- Hot Pluggable
- Class 1 laser product com
- Support Digital Diagnosti
- Internal Calibration or Ext
- +3.3V single power supply
- Operating case temperat

P/N

TCM1GSR	1.25G 1000BASE
TCM1GLR2	1.25G 1000BASE
TCM1GLR10	1.25G 1000BASE
TCM1GER	1.25G 1000BASE
TCM1GZR	1.25G 1000BASE
TCM1GZR120	1.25G 1000BASE

1Gbps BiDi SFP Transceivers



Features

- Available distances up to 100km
- Dual data-rate Up to 1.25Gbps
- Compliant with SFP MSA
- Simplex LC connector
- Hot Pluggable
- Class 1 laser product compliant
- Support Digital Diagnostic Monitoring
- Internal Calibration or External
- +3.3V single power supply
- Operating case temperature

P/N

TCM1GBI1315-10	1000BASE B 10km, Simplex
TCM1GBI1513-10	1000BASE B 10km, Simplex
TCM1GBI1315-20	1000BASE B 20km, Simplex
TCM1GBI1513-20	1000BASE B 20km, Simplex
TCM1GBI1315-40	1000BASE B 40km, Simplex
TCM1GBI1513-40	1000BASE B 40km, Simplex
TCM1GBI1315-60	1000BASE B 60km, Simplex
TCM1GBI1513-60	1000BASE B 60km, Simplex
TCM1GBI1315-80	1000BASE B 80km, Simplex
TCM1GBI1513-80	1000BASE B 80km, Simplex

10Gbps SFP+ Transceivers



Features

- Support Link up to 30m
- IEEE 802.3az & 802.3an Compliant
- IEEE 802.3bz for 5G & 2.5G
- Hot Pluggable SFP footprint
- Compact RJ-45 connector
- Compliant with Multi-Source Agreement
- Enhanced Small Form Factor
- SFF-8431 & SFF-8432 MSA
- +3.3V single power supply
- Operating case temperature

P/N

TCM10GBT	10GBase-T SFP+ CAT6a Module
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10Gbps SFP+ Transceivers



Features

- Available distances up to 10km
- data-rate Up to 10Gbps
- Compliant with SFP MSA
- Duplex LC connector
- low power consumption
- Hot Pluggable
- Class 1 laser product compliant
- Support Digital Diagnostic Monitoring
- Cost effective SFP+ solution and greater bandwidth
- Advanced firmware allow information to be stored
- +3.3V single power supply
- Operating case temperature

P/N

TCM10GSR	10GBASE-SR 850nm
TCM10GLR2	10GBASE-LR 2km
TCM10GLR	10GBASE-LR 10km
TCM10G15ER	10GBASE-ER 40km
TCM10G13ER	10GBASE-ER 40km
TCM10GZR	10GBASE-ZR 80km

10Gbps BiDi SFP+ Transceivers



Features

- Available distances up to 10km
- Support 10Gb/s to 11.1Gb/s
- Compliant with SFP MSA
- Single LC connector
- Hot Pluggable
- Class 1 laser product compliant
- Support Digital Diagnostic Monitoring
- High transmission margin
- +3.3V single power supply
- Operating case temperature

P/N

TCM10GBI1213-10	10GBASE SF 1270nm-TX/A
TCM10GBI1312-10	10GBASE SF 1330nm-TX/A
TCM10GBI1213-20	10GBASE SF 1270nm-TX/A
TCM10GBI1312-20	10GBASE SF 1330nm-TX/A
TCM10GBI1213-40	10GBASE SF 1270nm-TX/A
TCM10GBI1312-40	10GBASE SF 1330nm-TX/A



P/N

TCM10GBI1213-60	10GBASE SR 1270nm-TX/
TCM10GBI1312-60	10GBASE SF 330nm-TX/
TCM10GBI1415-80	10GBASE SF 1490nm-TX/
TCM10GBI1514-80	10GBASE SF 1550nm-TX/

25Gbps SFP28 Transceiver



Features

- Available distances up to 100m
- data-rate Up to 25Gbps
- Compliant with SFP MSA
- Duplex LC connector
- low power consumption
- Hot Pluggable
- All-metal housing for superior heat dissipation
- Low power consumption
- Advanced firmware allows for configuration information to be stored in non-volatile memory
- Cost effective SFP28 solution for high port densities and greater bandwidth
- +3.3V single power supply
- Operating case temperature: 0°C to 70°C

P/N

TCM25GSR	25Gb/s SR Multi Mode OM3
TCM25GLR	25Gb/s LR Single Mode OM3
TCM25GER	25Gb/s ER Single Mode OM3

25Gbps BiDi SFP28 Transceiver



Features

- Available distances up to 100m
- data-rate Up to 25Gbps
- Compliant with SFP MSA
- Single LC connector
- Hot Pluggable
- Class 1 laser product compliant with IEC 60825-1
- Support Digital Diagnostics (DDM)
- High transmission margin
- +3.3V single power supply
- Operating case temperature: 0°C to 70°C

P/N

TCM25GBIDI1213-3	25GBASE-SR LC SMF OM3 300m
TCM25GBIDI1312-3	25GBASE-SR LC SMF OM3 300m
TCM25GBIDI1213-10	25GBASE-SR LC SMF OM3 300m
TCM25GBIDI1312-10	25GBASE-SR LC SMF OM3 300m
TCM25GBIDI1213-40	25GBASE-SR LC SMF OM3 300m
TCM25GBIDI1312-40	25GBASE-SR LC SMF OM3 300m

40Gbps QSFP+ Transceivers



Features

- data-rate Up to 40Gbps
- Compliant with Multi-Sourced Quad Small Form Factor Pluggable
- Duplex LC connector
- low power consumption
- Hot Pluggable QSFP form factor
- Class 1 laser product compliant
- Advanced firmware allows information to be stored
- Cost effective SFP28 solution and greater bandwidth
- +3.3V single power supply
- Operating case temperature

P/N

TCM40GSR	40GBASE-SR Transceiver
TCM40GSRBD	40GBASE-SR Transceiver M
TCM40GLR2	40GBASE-IR Transceiver
TCM40GLR	40GBASE-LR Transceiver
TCM40GER	40GBASE-ER Transceiver

50Gbps SFP56 Transceivers



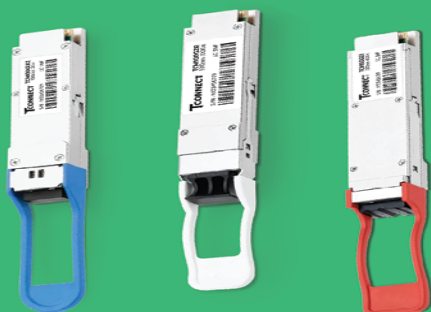
Features

- Available distances up to 10km
- data-rate Up to 50Gbps
- Compliant with Multi-Sourced Quad Small Form Factor Pluggable
- Duplex LC connector
- low power consumption
- Hot Pluggable QSFP form factor
- Class 1 laser product compliant
- Support Digital Diagnostic Monitoring
- +3.3V single power supply
- Operating case temperature

P/N

TCM40GSR	40GBASE-SR Transceiver
TCM40GSRBD	40GBASE-SR Transceiver M

100Gbps QSFP28 Transceiver



Features

- Available distances up to 100km
- data-rate Up to 100Gbps
- Compliant with Multi-Source Agreement
- low power consumption
- Hot Pluggable QSFP form factor
- Maximum power consumption < 3.5W
- Class 1 laser product compliant
- Support Digital Diagnostic Monitoring
- +3.3V single power supply
- Operating case temperature -40°C to 85°C

P/N

TCM100GSR	100GBASE-SR4 100m
TCM100GLR2	100G QSFP28 CWDM
TCM100GLR10	100GBASE-LR4 100m
TCM100GER	100GBASE-ER4 40km
TCM100GZR	100G QSFP28 ZR4

200Gbps QSFP56 Transceiver



Features

- Available distances up to 100km
- data-rate Up to 200Gbps
- Compliant with Multi-Source Agreement
- Low power consumption
- Hot Pluggable QSFP-DD form factor
- Class 1 laser product compliant
- Support Digital Diagnostic Monitoring
- +3.3V single power supply
- Operating case temperature -40°C to 85°C

P/N

TCM200GSR	200G QSFP-DD SR4 85m
	Transceiver Module
TCM200GLR	200G QSFP-DD LR4 PA
TCM200GER	200G QSFP-DD ER4 PA

400Gbps QSFP-DD Transceiver



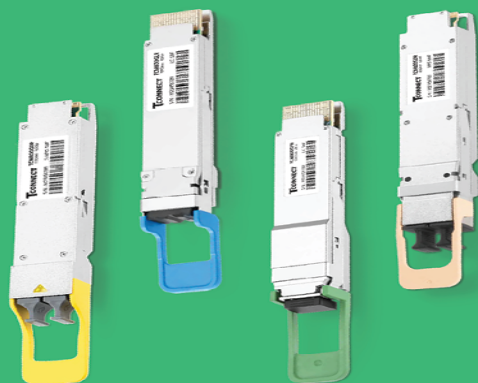
Features

- Available distances up to 100km
- data-rate Up to 400Gbps
- Compliant with Multi-Source Agreement
- Power Dissipation < 8W
- Hot Pluggable QSFP-DD form factor
- Class 1 laser product compliant
- Support Digital Diagnostic Monitoring
- +3.3V single power supply
- Operating case temperature -40°C to 85°C

P/N

TCM400GSR	100GBASE-SR4 100m
TCM400GDR	100G QSFP28 CWDM
TCM400GFR	100GBASE-LR4 100m
TCM400GLR	100GBASE-ER4 40km
TCM400GER	100G QSFP28 ZR4

800Gbps QSFP-DD T



Features

- Available distances up to 100m
- data-rate Up to 800Gbps
- Compliant with Multi-Source Agreement
- Hot Pluggable QSFP-DD form factor
- Support Digital Diagnostic Monitoring
- Class 1 laser product compliant
- +3.3V single power supply
- Operating case temperature range: 0°C to 70°C

P/N

TCM800GSR	800G SR8 QSFP-DD Optical Transceiver Module
TCM800GDR	QSFP-DD DR4 800G Transceiver Module
TCM800GFR	QSFP-DD FR4 800G SMF Optical Transceiver Module
TCM800GLR	QSFP-DD 800G OM3 Optical Transceiver Module

Fibre Channel Tra



Features

- Available distances up to 100m
- data-rate Up to 64Gbps
- Compliant with Multi-Source Agreement
- Hot Pluggable form factor
- Support Digital Diagnostic Monitoring
- Class 1 laser product compliant
- +3.3V single power supply
- Operating case temperature range: 0°C to 70°C

P/N

TCMFC4G-SW	Fibre Channel 4Gbps Short Wave Transceiver Module
TCMFC4G-LW	Fibre Channel 4Gbps Long Wave Transceiver Module
TCMFC4G-EW	Fibre Channel 4Gbps Extended Wave Transceiver Module
TCMFC8G-SW	Fibre Channel 8Gbps Short Wave Transceiver Module
TCMFC8G-LW	Fibre Channel 8Gbps Long Wave Transceiver Module
TCMFC8G-EW	Fibre Channel 8Gbps Extended Wave Transceiver Module
TCMFC16G-SW	Fibre Channel 16Gbps Short Wave Transceiver Module
TCMFC16G-LW	Fibre Channel 16Gbps Long Wave Transceiver Module
TCMFC32G-SW	Fibre Channel 32Gbps Short Wave Transceiver Module
TCMFC32G-LW	Fibre Channel 32Gbps Long Wave Transceiver Module
TCMFC64G-SW	Fibre Channel 64Gbps Short Wave Transceiver Module
TCMFC64G-LW	Fibre Channel 64Gbps Long Wave Transceiver Module

DAC / AOC 10G



Features

- Electrical interface compl
- Hot Pluggable
- Active Optical Cable XX
- Operating case temperat
- All-metal housing for sup

P/N

TCMAOC10G-XXM AOC 10G
3, 5



Features

- Functionally identical to T
- Support for multi-gigabit
- I/O Connector designed
- signal applications
- Improved Pluggable Form
- enhanced EMI/EMC perfor
- Active Direct Attach Cop

P/N

TCMCAB10G-XXM DAC 10G

DAC / AOC 20G



Features

- Up to 25 Gb/s data rate
- Hot-pluggable SFP28 form
- Single 3.3V power supply
- The customized label is a
- Different encode for each
- switch compatibility
- Active Optical Cable 5 m

P/N

TCMAOC10G-XXM AOC 10G
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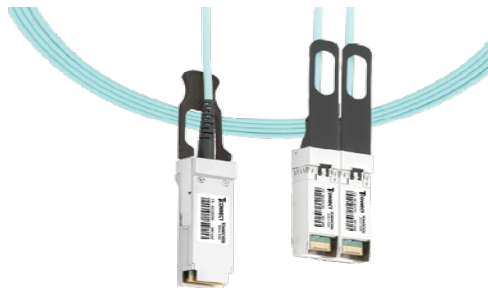


Features

- Functionally identical to T
- Compliant with SFF-8402
- Compatible to SFP+ MSA
- Lowest total system EMI s
- Low insertion loss and low
- Passive Direct Attach Cop

P/N

TCMCAB10G-XXM DAC 10G



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